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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/572,654	03/20/2006	Hiroyuki Tsukashima	127412	4516		
25944 OLIFF & BERI	7590 09/22/200 RIDGE, PLC	EXAMINER				
P.O. BOX 3208	350	TAMAI, KARL I				
ALEXANDRIA, VA 22320-4850			ART UNIT	PAPER NUMBER		
			2834			
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			09/22/2009	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		1	Application No.		Applicant(s)			
			10/572,654		TSUKASHIMA ET AL.			
		E	Examiner		Art Unit			
		ŀ	KARL I.E. TAMAI		2834			
Period fo	The MAILING DATE of this commun r Reply	ication appea	rs on the cover	sheet with the c	orrespondence ad	ddress		
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE M Issions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comn period for reply is specified above, the maximum st re to reply within the set or extended period for reply eply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	MAILING DAT s of 37 CFR 1.136(a nunication. atutory period will a will, by statute, ca	E OF THIS COI a). In no event, however apply and will expire Souse the application to	MMUNICATION er, may a reply be tim IX (6) MONTHS from the become ABANDONE	I. lely filed the mailing date of this of (35 U.S.C. § 133).			
Status								
1)[\]	Responsive to communication(s) file	ad on 03 Aug	ust 2009					
			ction is non-fina	l				
/—		<i>7</i> —			secution as to the	e merits is		
٥/ك	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
- 4)⊠	Claim(s) 1-12 and 14-16 is/are pend	ding in the ap	plication.					
· —	Claim(s) <u>1-12 and 14-16</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.							
	5) Claim(s) is/are allowed.							
·	Claim(s) <u>1-12 and 14-16</u> is/are reject	rted						
· ·	Claim(s) is/are objected to.	nou.						
•	Claim(s) are subject to restrict	ction and/or e	lection requiren	nent.				
	on Papers		7					
-	The specification is objected to by th							
10)	The drawing(s) filed on is/are:		-	-				
	Applicant may not request that any obje			-	•			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	ınder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notic 3) Inforr	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (F nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	PTO-948)	5) <u> </u>	nterview Summary Paper No(s)/Mail Da lotice of Informal Pa Other:	te			

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DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The rejection over 35 USC 112, first paragraph is withdrawn.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 4. Claims 1, 14, and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kumagi et al. (Kumagi)(JP 54-115704) and Inoue (JP 2001-095195). Kumagi teaches an electric machine having a stator winding including a coil 2 and a flexible copper, lead wire 4, where the lead wire and said coil being affected by varnish

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permeation of varnish. The lead wire 4 does not include a structure for preventing varnish treatment. Kumagi teaches the lead wire is flexible to provide workability and prevent wire breakage. Kumagi does not teach the stator winding being a motor or the lead wire is used for externally connecting the coil of with external wiring through a terminal block electrically having a first contact electrically connecting an internal conductor and the external wiring, and a second contact electrically connecting the internal conductor and the lead wire, or where the flexible member is made of a different material than the lead wire and that is higher than said lead wire in flexibility. Inoue teaches a motor with a flexible, aluminum lead wire 11 is used for externally connecting the coil of with external wiring through a terminal block 10 having a first contact (outside the housing) electrically connecting an internal conductor (middle portion of connection terminal 10) and the external wiring, and a second contact (inside the housing) electrically connecting the internal conductor and the lead wire 11.

It would have been obvious to a person of ordinary skill in the dynamoelectric machine art at the time of the invention to construct the machine of Kumagi, as a motor to provide mechanical power, with the lead wire and terminal of Inoue to provide a reliable connection to external power, as taught by Inoue, with the flexibility of the lead wire being greater than the stator coil to provide workability and prevent wire breakage, as suggested by Kumagi, and with the material of the lead wire being different than the stator coil to optimized the conductivity, flexibility, and cost of providing the electrical

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wiring, and because it has been held that selection of the material based on intended use is within the ordinary skill in the art (See *In re Leshin*, 125 USPQ 416).

In regards to claims 14 and 15, Kumagi teaches the conductor is copper with is a material which suppresses varnish treatment and is not hardened by varnish treatment. The examiner notes that a manual translation of Kumagi has been requested and will be made available to the applicant when requested.

- 5. Claims 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kumagi et al. (Kumagi)(JP 54-115704) and Inoue (JP 2001-095195), in further in view of Sasamoto et al. (Sasamoto)(US 5132584). Kumagi and Inoue teach every aspect of the invention except the flexible member being a braided wire or a plate like conductor. Sasumoto teaches the flexible braided wire 57 (col. 6, line 58) or a plate like conductor with a deformable portion 57a (col. 6, line 37) to conducts electricity to the stator windings but reduces the transmissions of vibrations between the stator and the support. It would have been obvious to a person of ordinary skill in the dynamoelectric machine art at the time of the invention to construct the machine of Kumagi and Inoue with a braided or plate conductor to provide an electrical conductor with reduced vibration transmission, as taught by Sasumoto.
- 6. Claims 4, 5, 11, 12, and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kumagi et al. (Kumagi)(JP 54-115704) and Inoue (JP 2001-095195), in further in view of Katsuzawa et al. (Katsuzawa)(US 20020050752). Kumagi and

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Inoue teach every aspect of the invention except the first contact has a structure where the internal conductor and the external wiring are allowed to mate with each other in a perpendicular direction to a rotation shaft of a motor, and the lead wire is attached to the second contact in the rotation shaft direction of the motor. Katsuzawa teaches the terminal block (10) having an internal connector 81 with first contact below power terminal 84 mating perpendicular to the shaft with the internal conductor 81 via screw 82 and a second contact that mates with the stator winding leads 7 which have a deformation perpendicular to the shaft (figure 12) and a plate terminal 83 on the tip of the flexible lead 7 and connected to the internal connector 81 by a fixing screw 82. It would have been obvious to a person of ordinary skill in the dynamoelectric machine art at the time of the invention to construct the machine of Kumagi and Inoue with connection terminal of Katsuzawa to easy connection and inspection of the windings, as taught by Katsuzawa.

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7. Claims 6-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kumagi et al. (Kumagi)(JP 54-115704), Inoue (JP 2001-095195), and Sasamoto et al. (Sasamoto)(US 5132584), in further in view of Katsuzawa et al. (Katsuzawa)(US 20020050752). Kumagi, Inoue, and Sasamoto teach every aspect of the invention except the first contact has a structure where the internal conductor and the external wiring are allowed to mate with each other in a perpendicular direction to a rotation shaft of a motor, and the lead wire is attached to the second contact in the rotation shaft direction of the motor. Katsuzawa teaches the terminal block (10) having an internal

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connector 81 with first contact below power terminal 84 mating perpendicular to the shaft with the internal conductor 81 via screw 82 and a second contact that mates with the stator winding leads 7 which have a deformation perpendicular to the shaft (figure 12) and a plate terminal 83 on the tip of the flexible lead 7 and connected to the internal connector 81 by a fixing screw 82. It would have been obvious to a person of ordinary skill in the dynamoelectric machine art at the time of the invention to construct the machine of Kumagi, Inoue, and Sasamoto with connection terminal of Katsuzawa to easy connection and inspection of the windings, as taught by Katsuzawa.

Response to Arguments

- 8. Applicant's arguments with respect to claims 1-12 and 14-16 have been considered but are moot in view of the new grounds of rejection.
- 9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karl I.E. Tamai whose telephone number is (571) 272 2036.

The examiner can be normally contacted on Monday through Friday from 8:00 am to 4:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mrs. Quyen Leung, can be reached at (571) 272 - 8188. The facsimile number for the Group is (571) 273 - 8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Karl I Tamai/ PRIMARY PATENT EXAMINER September 22, 2009